

Phase II: Zebra Mussel Monitoring Report

envy

Personal Data

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Monitoring Location

Date: 8-27-96 Time: 15:30  
 County: Walworth City: Lake Geneva  
 Body of Water: Geneva Lake  
 Nearest Landmark (town, highway, boat ramp, bridge): Marina Bay Boat Rentals  
- right next to Public Launch  
 Distance from nearest landmark: \_\_\_\_\_  
 Habitat Type: River/Stream \_\_\_\_\_ Natural Lake/Pond  Marsh/Swamp \_\_\_\_\_  
 Canal/Ditch \_\_\_\_\_ Man Made Reservoir \_\_\_\_\_ Estuary/Bay \_\_\_\_\_

Water Quality Parameters

Temperature: 26°C Secchi Depth: 2.9m

Sampler Information

Total Water Depth: 1.7 m Depth of Sampler: 1.4 m  
 Length of time sampler was in place (Days): 74 (20 since last chk)

Monitoring Results

Number of mussels found: # on Top side of Plates: 6  
 # on Bottom side of Plates: 29 13 - spores  
 Total: 48

Size of the largest mussel (in mm): 1mm  
 Size of the smallest mussel (in mm): 5mm  
 Density of mussels on sampler: 108/m<sup>2</sup>

$$\text{Density of mussels (N/M}^2\text{)} = \frac{\text{Number counted (N)} \times 10,000}{\text{Area Counted (cm}^2\text{)}}$$

Area conversions for the plate sampler described in this document:

Plate Size	Area (in. <sup>2</sup> )	Area (cm <sup>2</sup> )
6" x 6"	36	232
8" x 8"	64	413
10" x 10"	100	645
12" x 12"	144	929
Total (4 plates):	344	2219

If greater than 20 mussels are found measure 20 mussels chosen randomly from the sample. If less than 20 mussels are found measure all mussels found. Report results in table given on next page.

Length of Zebra Mussels

Number	Length (mm)	Number	Length (mm)
1	5 mm	11	4 mm
2	1 mm	12	4 mm
3	5 mm	13	4 mm
4	1 mm	14	2 mm
5	3 mm	15	2 mm
6	4 mm	16	1 mm
7	4 mm	17	5 mm
8	3 mm	18	4 mm
9	1 mm	19	3 mm
10	1 mm	20	1 mm

NOTE: All samples should be placed in isopropyl or rubbing alcohol until verification is obtained.